#### Sequence Listing

```
<110> Adams, Camellia W.
           Fendly, Brian M.
 5
           Carter, Paul J.
           Gurney, Austin L.
     <120> Agonist Antibodies
10
     <130> P0979R1
     <150> US 60/056,736
     <151> 1997-08-22
15
     <160> 71
     <210> 1
     <211> 15
     <212> DNA
20
     <213> human
     <400> 1
          acc tct tgg atc ggc 15
          Thr Ser Trp Ile Gly
25
     <210> 2
     <211> 5
     <212> PRT
30
     <213> human
     <400> 2
      Thr Ser Trp Ile Gly
35
     <210> 3
     <211> 66
     <212> DNA
     <213> human
40
     <400> 3
          atc atg tat cct ggg aac tct gat acc aga cac aac 36
          Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn
45
      ccg tcc ttc gaa gac cag gtc acc atg tca 66
      Pro Ser Phe Glu Asp Gln Val Thr Met Ser
               15
                                    20
50
     <210> 4
     <211> 22
     <212> PRT
     <213> human
55
     <400> 4
      Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn Pro Ser Phe
      Glu Asp Gln Val Thr Met Ser
60
     <210> 5
```

## P0979R1 <211> 30 <212> DNA <213> human 5 <400> 5 gct ggg gtc gcg ggc ggt gct ttt gat ctc 30 Ala Gly Val Ala Gly Gly Ala Phe Asp Leu 10 <210> 6 <211> 10 <212> PRT <213> human 15 <400> 6 Ala Gly Val Ala Gly Gly Ala Phe Asp Leu <210> 7 20 <211> 42 <212> DNA <213> human <400> 7 25 act gga acc agc agt ggc gtt ggt ggt tat aac tat 36 Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr 1 gtc tcc 42 30 Val Ser 14 <210> 8 <211> 14 35 <212> PRT <213> human <400> 8 Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr Val Ser 40 10 <210> 9 <211> 21 <212> DNA 45 <213> human <400> 9 ggt aac agc aat cgg ccc tca 21 Gly Asn Ser Asn Arg Pro Ser 50 1 <210> 10 <211> 7 <212> PRT 55 <213> human <400> 10 Gly Asn Ser Asn Arg Pro Ser 60 <210> 11 <211> 30

Sequence Listing

## P0979R1 <212> DNA <213> human <400> 11 agc aca tat gca ccc ccc ggt att att atg 30 5 Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met 5 <210> 12 <211> 10 10 <212> PRT <213> human <400> 12 Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met 15 5 <210> 13 <211> 15 <212> DNA 20 <213> human <400> 13 gac tac tac atg agc 15 Asp Tyr Tyr Met Ser 25 <210> 14 <211> 5 <212> PRT 30 <213> human <400> 14 Asp Tyr Tyr Met Ser 35 1 <210> 15 <211> 66 <212> DNA <213> human 40 <400> 15 tac att agt agt agt agt acc ata tac tac gca 36 Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala 45 gac tct gtg aag ggc cga ttc acc atc tcc 66 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser 20 15 50 <210> 16 <211> 22 <212> PRT <213> human 55

Lys Gly Arg Phe Thr Ile Ser

20

<400> 16

60

Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val

# <210> 17 <211> 27 <212> DNA <213> human 5 <400> 17 tgg agt ggt gag gat gct ttt gat atc 27 Trp Ser Gly Glu Asp Ala Phe Asp Ile 10 <210> 18 <211> 9 <212> PRT <213> human 15 <400> 18 Trp Ser Gly Glu Asp Ala Phe Asp Ile 20 <210> 19 <211> 33 <212> DNA <213> human 25 <400> 19 cgg gcc agt gag ggt att tat cac tgg ttg gcc 33 Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala 30 <210> 20 <211> 11 <212> PRT <213> human <400> 20 35 Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala <210> 21 40 <211> 21 <212> DNA <213> human <400> 21 45 aag gcc tct agt tta gcc agt 21 Lys Ala Ser Ser Leu Ala Ser 5 <210> 22 50 <211> 7 <212> PRT <213> human <400> 22 Lys Ala Ser Ser Leu Ala Ser 55 <210> 23 <211> 27 60 <212> DNA

<213> human

P0979R1

. U

ļ=r=

4

### P0979R1

```
<400> 23
         caa caa tat agt aat tat ccg ctc act 27
         Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
                           5
5
     <210> 24
     <211> 9
     <212> PRT
     <213> human
10
     <400> 24
      Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
                       5
     <210> 25
15
     <211> 15
     <212> DNA
     <213> human
     <400> 25
20
           acc tac ggc atg cac 15
           Thr Tyr Gly Met His
            1
25
    <210> 26
      <211> 5
      <212> PRT
      <213> human
      <400> 26
 30
       Thr Tyr Gly Met His
         1
      <210> 27
      <211> 66
 35
      <212> DNA
      <213> human
      <400> 27
           ggt ata tcc ttt gac gga aga agt gaa tac tat gca 36
 40
           Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala
        gac tcc gtg aag ggc cga ttc acc atc tcc 66
       Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
 45
                 15
       <210> 28
       <211> 22
       <212> PRT
  50
       <213> human
        Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala Asp Ser Val
       <400> 28
                                              10
                           5
  55
        Lys Gly Arg Phe Thr Ile Ser
                          20 22
  60
       <210> 29
        <211> 27
        <212> DNA
                                           - 5 -
        Sequence Listing
```

```
<213> human
```

P0979R1

<400> 29

gat agg ggg tcc tac ggt atg gac gtc 27

S Asp Arg Gly Ser Tyr Gly Met Asp Val

1 9

<210> 30

<211> 9

**10** <212> PRT

<213> human

<400> 30

Asp Arg Gly Ser Tyr Gly Met Asp Val 15 1 5 9

<210> 31

<211> 66

<212> DNA

20 <213> human

<400> 31

ggt ata tcc ttt gac gga aga agt gaa tac tat gca 36 Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala

**25** 1 5 10

gac tcc gtg cag ggc cga ttc acc atc tcc 66
Asp Ser Val Gln Gly Arg Phe Thr Ile Ser
15 20 22

30

<210> 32

<211> 22

<212> PRT

<213> human

35

<400> 32

Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala Asp Ser Val 1 5 10 15

40 Gln Gly Arg Phe Thr Ile Ser 20 22

<210> 33

<211> 24

45 <212> DNA

<213> human

<400> 33

gga gca cat tat ggt ttc gat atc 24
Gly Ala His Tyr Gly Phe Asp Ile

<210> 34

<211> 8

55 <212> PRT

<213> human

<400> 34

Gly Ala His Tyr Gly Phe Asp Ile
60 1 5 8

<210> 35

Sequence Listing

- 6 -

# P0979R1 <211> 33 <212> DNA <213> human 5 <400> 35 cgg gcc agc gag ggt att tat cac tgg ttg gcc 33 Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala 10 <210> 36 <211> 15 <212> DNA <213> human 15 <400> 36 agc cat aac atg aac 15 Ser His Asn Met Asn 20 <210> 37 <211> 5 <212> PRT <213> human 25 <400> 37 Ser His Asn Met Asn <210> 38 30 <211> 66 <212> DNA <213> human <400> 38 tcc att agt agt agt agt tac ata tac tac gca 36 35 Ser Ile Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala gac tca gtg aag ggc cga ttc acc atc tcc 66 40 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser <210> 39 <211> 22 45 <212> PRT <213> human <400> 39 Ser Ile Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val 50 10 Lys Gly Arg Phe Thr Ile Ser 20 <210> 40 55 <211> 27 <212> DNA <213> human 60 <400> 40 gat cgc ggg agt acc ggt atg gac gtc 27 Asp Arg Gly Ser Thr Gly Met Asp Val

-7-

Sequence Listing

```
5
       1
    <210> 41
    <211> 9
    <212> PRT
     <213> human
     <400> 41
     Asp Arg Gly Ser Thr Gly Met Asp Val
                      5
10
     <210> 42
     <211> 15
     <212> DNA
     <213> human
15
     <400> 42
         agt tac tac tgg agc 15
          Ser Tyr Tyr Trp Ser
20
     <210> 43
     <211> 5
     <212> PRT
    <213> human
25
     <400> 43
      Ser Tyr Tyr Trp Ser
30
      <210> 44
      <211> 63
      <212> DNA
      <213> human
 35
      <400> 44
           tat atc tat tac agt ggg agc acc aac tac aac ccc 36
           Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro
                                                 10
                             5
             1
 40
       tee ete aag agt ega gte ace ata tea 63
       Ser Leu Lys Ser Arg Val Thr Ile Ser
                                     20 21
                15
      <210> 45
 45
       <211> 21
       <212> PRT
       <213> human
        Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
       <400> 45
 50
                                             10
        Ser Arg Val Thr Ile Ser
                        20 21
  55
       <210> 46
       <211> 18
       <212> DNA
      <213> human
  60
       <400> 46
                                          - 8 -
       Sequence Listing
```



```
ggg agg tat ttt gac gtc 18
          Gly Arg Tyr Phe Asp Val
5
     <210> 47
     <211> 6
     <212> PRT
     <213> human
10
     <400> 47
      Gly Arg Tyr Phe Asp Val
     <210> 48
15
     <211> 42
     <212> DNA
     <213> human
     <400> 48
20
          act gga acc agc agt gac gtt ggt ggt tat aac tat 36
          Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr
      gtc tcc 42
25
      Val Ser
     <210> 49
     <211> 14
30
     <212> PRT
     <213> human
     <400> 49
      Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
35
       1
     <210> 50
     <211> 21
     <212> DNA
40
     <213> human
     <400> 50
          gag ggc agt aag cgg ccc tca 21
          Glu Gly Ser Lys Arg Pro Ser
45
     <210> 51
     <211> 7
     <212> PRT
50
     <213> human
     <400> 51
      Glu Gly Ser Lys Arg Pro Ser
55
     <210> 52
     <211> 30
     <212> DNA
     <213> human
60
     <400> 52
          agc tca tat aca acc agg agc act cga gtt 30
                                        - 9 -
     Sequence Listing
```

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val

<210> 53
5 <211> 10
<212> PRT
<213> human

<400> 53

10 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val 1 5 10

> <210> 54 <211> 23

15 <212> DNA

<213> artificial sequence

<220>

<221> Sequence is completely synthesized

20 <222> 1-23

<400> 54

agcggataac aatttcacac agg 23

**25** <210> 55 <211> 21

<212> DNA

<213> artificial sequence

30 <220>

<221> Sequence is completely synthesized

<222> 1-21

<400> 55

35 gtcgtctttc cagacggtag t 21

<210> 56 <211> 44

<212> PRT

40 <213> artificial sequence

<220>

<221> Sequence is completely synthesized

<222> 1-44

45

<400> 56

Cys Pro Pro Cys Ala Pro Glu Leu Leu Gly Gly Arg Met Lys Gln 1 5 10

Leu Glu Asp Lys Val Glu Glu Leu Leu Ser Lys Asn Tyr His Leu 20 25 30

Glu Asn Glu Val Ala Arg Leu Lys Lys Leu Val Gly Glu Arg

55

<210> 57

<211> 43

<212> DNA

<213> artificial sequence

60

<220>

<221> Sequence is completely synthesized

Sequence Listing

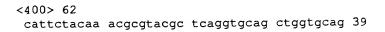
- 10

N

THE PARTY

### P0979R1

```
<222> 1-43
     <400> 57
      gcttctgcgg ccacacaggc ctacgctgac atcgtgatga ccc 43
 5
     <210> 58
     <211> 40
     <212> DNA
     <213> artificial sequence
10
     <220>
     <221> Sequence is completely synthesized
     <222> 1-40
15
     <400> 58
      atgatgatgt gccacggtcc gtttgatctc cagttcggtc 40
     <210> 59
     <211> 43
20
     <212> DNA
     <213> artificial sequence
     <220>
     <221> Sequence is completely synthesized
25
     <222> 1-43
      gcttctgcgg ccacacaggc ctacgcttcc tatgtgctga ctc 43
30
     <210> 60
     <211> 40
     <212> DNA
     <213> artificial sequence
35
     <220>
     <221> Sequence is completely synthesized
     <222> 1-40
     <400> 60
40
      ccttctctct ttaggttggc caaggacggt cagcttggtc 40
     <210> 61
     <211> 43
     <212> DNA
45
     <213> artificial sequence
     <221> Sequence is completely synthesized
     <222> 1-43
50
     <400> 61
      gcttctgcgg ccacacaggc ctacgctcag tctgtgctga ctc 43
     <210> 62
55
     <211> 39
     <212> DNA
     <213> artificial sequence
     <220>
60
     <221> Sequence is completely synthesized
     <222> 1-39
```



- <210> 63 <211> 45
  - <212> DNA
  - <213> artificial sequence
- <220>
- 10 <221> Sequence is completely synthesized
  - <222> 1-45
  - <400> 63
  - gtaaatgtat gggcccttgg tggaggaggc actcgagacg gtgac 45
- 15
- <210> 64
  - <211> 39
  - <212> DNA
- <213> artificial sequence
- 20
- <220>
- <221> Sequence is completely synthesized
- <222> 1-39
- 25 <400> 64
  - cattctacaa acgcgtacgc tcaggtgcag ctggtggag 39
    - <210> 65
    - <211> 39
- **30** <212> DNA
- <213> artificial sequence
  - <220>
  - <221> Sequence is completely synthesized
- **35** <222> 1-39
  - <400> 65
    - cattctacaa acgcgtacgc tgacgtgcag ctggtgcag 39
- 40 <210> 66
  - <211> 42
  - <212> DNA
  - <213> artificial sequence
- **45** <220>
  - <221> Sequence is completely synthesized
  - <222> 1-42
  - <400> 66
- 50 gtaaatgtat gggcccttgg tggcggctga ggagacggtg ac 42
  - <210> 67
  - <211> 39
  - <212> DNA
- 55 <213> artificial sequence
  - <220>
  - <221> Sequence is completely synthesized
  - <222> 1-39
- 60
- cattetacaa acgegtacge teaggtgeag etgeageag 39

Sequence Listing

- 12 -

- <210> 68 <211> 39 <212> DNA 5 <213> artificial sequence <220> <221> Sequence is completely synthesized <222> 1-39 10 <400> 68 cattctacaa acgcgtacgc tcaggtgcag ctgcaggag 39 <210> 69 <211> 42 15 <212> DNA <213> artificial sequence <220> <221> Sequence is completely synthesized 20 <222> 1-42 <400> 69 gtaaatgtat gggcccttgg tggaggctga agagacggta ac 42 25 <210> 70 <211> 12 <212> PRT <213> artificial sequence 30 <221> Sequence is completely synthesized <222> 1-12 35 <400> 70 Met Ala Asp Pro Asn Arg Phe Arg Gly Lys Asp Leu 1 <210> 71 40 <211> 66 <212> PRT <213> artificial sequence <220> 45 <221> Sequence is completely synthesized <222> 1-66 <400> 71 Met Gly Gly Ala Ala Ala Arg Leu Gly Ala Val Ile Leu Phe Val 50 Val Ile Val Gly Leu His Gly Val Arg Gly Lys Tyr Ala Leu Ala 55 Asp Ala Ser Leu Lys Met Ala Asp Pro Asn Arg Phe Arg Gly Lys
- Tyr Ala Leu Leu Pro Gly 65 66

Asp Leu Pro Val Leu Asp Gln Leu Leu Glu Gly Gly Ala Ala His